



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 17, 1981



Mr. Richard Carlbert
American Gilsonite Company
P. O. Box 28
Bonanza, Utah 84008

RE: Mining & Reclamation Plan
Bonanza Operations
ACT/047/010
Uintah County, Utah

Dear Mr. Carlbert:

The Division has completed a review of material forwarded to our office by the U. S. Geological Survey and that submitted by American Gilsonite in the past. The information thus provided does not fulfill the requirements of the Mined Land Reclamation Act, Utah Code Annotated 1953, Title 40-8, and rules and regulations thereof. Outlined below are the deficiencies, questions and comments which the Division staff has compiled concerning your Bonanza operations.

The MR forms submitted in 1977 should be updated to include the lease #U-0126940 and any other applicable areas.

1. Some other approvals that may be necessary are an NPDES permit for water discharge and an air quality order from the State Bureau of Air Quality. The NPDES permit is required by EPA and is obtained with help from the Bureau of Water Pollution Control.
2. American Gilsonite has provided a list (1977) of disturbed areas and acreages; this list needs to be updated. All surface areas proposed to be disturbed should be delineated on a map. A map should also delineate active and inactive mines, property boundaries, surface and mineral ownership, topsoil stockpiles, wastepiles, drainage patterns around the disturbed areas, any diversion, culverts, berms, etc., ponds and discharge points.

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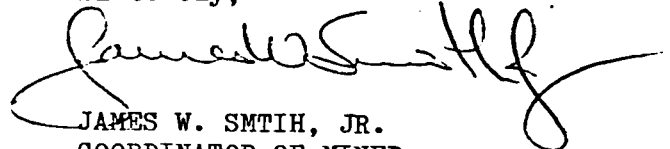
3. Applicant should provide an analysis of the water to be discharged.
4. Grades in the disturbed areas should be minimized for sediment control.
5. Applicant states that the vein dips 2°. What does this mean? Aren't these veins near vertical?
6. Applicant should provide map(s) showing outcrop of the vein and mining sequence by year for life of the mine.
7. Applicant should provide a typical cross section and profile of the roads.
8. Applicant should provide the depth of topsoil, how it will be removed and how it will be stored to prevent erosion (i.e., stored away from drainages, revegetated).
9. Applicant should provide a time-table for the accomplishment of each major step in the reclamation plan and include a description of structure removal. Reclamation should proceed contemporaneously with mining.
10. The existing vegetation community needs to be described and percent ground cover determined using methods approved by the Division.
11. Applicant should post warning signs in areas readily accessible by the public and commit to fence off shafts.
12. Applicant states that a 35-foot surface barrier will be left at the top of the vein. The adequacy of this should be justified.
13. Applicant should provide a plan for shaft sealing including cross sections.
14. Where will trash, scrap metal, extraneous debris and other materials incident to mining be disposed of?
15. One of the maps provided depicts a dike and drainage ditch. What are these for?
16. The following comments apply to the revegetation of disturbed areas:
 - A. Applicant needs to discuss the average depth of respread topsoil and provide a more specific description of surface preparation.
 - B. Discuss under what conditions harrowing will be used.
 - C. Commit to test soil before revegetation if it will be sitting for a long time and add fertilizer or amendments as necessary.

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- D. Need to include a specific list from the BLM indicating species and amounts to be reseeded. The species should reflect postmining land-use.
 - E. Determine if one seed mix will be used everywhere.
 - F. Discuss how revegetated area will be sampled to determine if success standard has been met.
17. American Gilsonite shall furnish evidence in the form of acceptable insurance policies or other factual data that the operator will be financially responsible during the proposed mining operations for the payment of off-site public liability or property damage claims for which he may become liable.

If you have any questions, please call Gilbert Hunt of my staff.

Sincerely,



JAMES W. SMITH, JR.
COORDINATOR OF MINED
LAND DEVELOPMENT

Enclosures

cc: Allen L. Vance, USGS

JWS/GLH/btb